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http://www.cas.org/support/stngen/stndoc/properties.html

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NODE ATTRIBUTES: CONNECT IS E3 RC AT 6 CONNECT IS E3 RC AT 11 DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE L6 134263 SEA FIL

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- 125 ASSMER 1 OF 2 MCARCHS COPERIGHT 1007 ACS on STH PASE 1-A

mide. N-14-(4,5-dihydro-1-methyl-1H-1mldazol-2-nyphenyl)-3-(trifluoromethyl)- (cA IMDEX NAME)

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NODE ATTRIBUTES: CONNECT IS E3 RC AT 6 CONNECT IS E3 RC AT 11 DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 11

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NODE ATTRIBUTES: CONNECT IS E3 RC AT 6 CONNECT IS E3 RC AT 11 DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

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VAR G1-2/1/6
VAR G2-14/21/22
NODE ATTRIBUTES:
CONNECT IS E3 RC AT 6
CONNECT IS E3 RC AT 11
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE

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NODE ATTRIBUTES: CONNECT IS E3 RC AT 6 CONNECT IS E3 RC AT 11 DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

L2 134263 SEA FILE-REGISTRY SSS FUL L1 L32 STR

VAR G1-9/10
VAR G2-14/16/CHO
NODE ATTRIBUTES:
CONNECT IS E3 RC AT 6
CONNECT IS E3 RC AT 11
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L34 8106 SEA FILE-REGISTRY SUB-L2 SSS FUL L32

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                                 113 ASSWER 1 OF 1 BEARGUS COMPRIGHT 2007 ACS on STH (Continued)
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- 115 ANSWER 1 OF 2 HEADELDS COPYRIGHT 1057 ACS on STH (Continued)

NS 784162-19-2 MCAPLOS CS 18-Pyrasole-1-earnosylte aste, 5-(astrocarbosyl)-1-(8-fluoro-2'-(trifluoroestboy)(1,2'-biphoyl1-3-yl)-, ethyl ester (CR INDEX NAME)

NS 78(16)-2[-7 MCAPLES

EN Hyparol--], d-dicarbosylic acts, 5-methyl-1-[6-(trifluoromethosy)-2'(trifluoromethill,1'-bishervil-3-yl)-, 4-methyl exter (CA DODE NAME)

ns 98:101-11-8 MCARLES
CS 18-Pyratol-1,0-dicarbosande, 1-(2*,6-bis(trif)corosethosy)(1,1*-bishevet1-3-y1)-5-methyl- (CA INCEX NAME)

HR 794142-32-0 HOMPLES

- RM 18416-68-1 MCARLOS CM NE-Dyrasole-5-carbosylic acid, 3-(amisocarbosyl)-1-(4-fisoco-2'-n'silweromethosy)(L/3'-bighenyl)-3-yl)- (CA IROSE WAMS)
- 115 ANSAUR 1 OF 2 HORAUGE COPYRIGHT 2007 ACS on SIM (Continued)
 CM IN-Pyracole-1, s-disarbacylic acid. 1-id-fluoro-2'-(trifluoro-ethouy)[1,1'hippervil-3-vil-3-machi-, selfar) etc. CSCI (CA IMBEE NAME)

NN 7E4162-24-1 HCAPLOS
CM In-Pyvazola-3, d-dicarbomylic acid, 3-[6-fiscor-2'-(trifiscormethyl)]1,1"
https://dicarbomylic.dicarbomylic.dicarbomylic.fice(fil) (CA IMMER NAME)

784143-25-2 MCARLES
18-Byrazole-4-carbomylic acts, 3-(antiscoarbomyl)-1-[4-fluoro-2''*tifluoromethomy)(1,3'-bipteryl)-3-yl)-5-methyl-, ethyl ester (CA IMBEX

115 ANSWER 1 OF 1 HEAPING COPPRIGHT 2017 ACS ON STR.

88 784142-18-6 NEWFLEE CS IN-Pyracole-3,6-discribosenide, 1-(6-fluoro-2'-(trifluoromethyl)(1,1'-hydroxyll-3-4'),5-mai/hr/, /CR TWIST NEWE

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135 ANSHER 2 OF 2 HEAPLES COPYRIGHT 1087 ACS on SIN

80 594215-12-3 MCAPLUS CH Quindline, 1-[1-[1,1]-Liphenyl]-4-yl-5-(2-fluorophenyl]-18-pyrasol-4-yl]mschyl]dechytro- (CA INEKE MMM)

LIS ANSHOR I OF 1 HOMELS ODFFICIENT 2017 ACS ON ATT (CONTLINES)

NS 528219-13-4 NNALBS CS Mergholice, 4-[12-[1,3"-mappengi]-4-yt-6-(2-fluorophengi)-18-pgrasololipscholic - year reservance



NS 598219-14-5 ECAPLES
SPERMING, 1-[f3-[1,1"-blybenyl]-4-yl-5-(2-fixorophenyl)-18-pyrasol-4-

¥9

88 81813-15-6 BCAFLES CB HE-Pyracole, 1-(3,15-haphanyl)-1-(11-6-(12,5-dikydro-18-pyrrol-1-yi)setsyl 5-(1-f)rosonbarcole (2-1987 SSM)



80 519215-16-7 HCAPLOS CR 18-Accesson, 1-1(1-11,1*-bighteryi)-4-yi-5-(2-fivorophenyi)-18-payaroi-4

115 ANSWER 2 OF 2 HEADLAS COPPRIGHT 1987 AGE on STH (Continu

NS 538139-17-8 HOMPLES CS 18-Pyracole-4-methacamine, 1-15.1"-biphenyll-4-yl-N-ethyl-5-(2 fluorombenyll-4-homples-hyl), (7a 18699 MARS)



NS 50F13-1F-9 EXABLES CS 1N-Pyvarole-Conthanamine, 1-[1,17-hiphenyl]-6-yl-N,N-diethyl-5-



 $\begin{array}{lll} 898218-39-0 & ECAFLES\\ CM & 18-9yvalol=-c-mortamatro, & 1-(1,1)-ntpensyl)-c-yl-6-(2-fixoropansyl)-s, n \end{array}$

115 ANSHER 2 OF 2 HCAPSUS COPYRIGHT 2987 ACS on STH

NN 518215-20-3 HCAPLUS CM 1M-Dyvarole, 1-(1,1*-htphenyl)-s-yl-5-(2-floorophenyl)-s-(1-

NN 589219-21-4 MOARAN



NN 518219-12-5 HOMPLES

NR 51818-31-4 MCARLES CB 4-Fiberiansmane, 1-(4)-(1,1)-hupberyl)-4-vl-5-(1-fluoromberyl)-18-payaro

RS 528119-14-7 ECAPLES CS Periolina, 1-111-13-17-binhenvil-4-vi-5-12-filosophenvil-18-normani-8

ms 618118-15-8 HCAPLUS CS Piperidize, $4-(13-11,1^*-biphenyl)-4-y1-5-(2-fluorophenyl)-10-pyresol-4-(3-fluorophenyl)-10-pyre$

NS 51F219-2F-1 NCAPLUS CH 2-Propensis acid, 3-[2-[1,2*-bighesyl)-6-gl-5-(2-fluoroghesyl)-1H-pywast 6-gl)- (CA) TRONG NMES

NN 518128-18-2 MEARLEM
CS 2-Propercic scid, 2-(1-(1,1'-bigheogl)-4-yl-5-(1-fluoropheogl)-1H-pgrand
4-41-, ethni carter (CA INGEN NAME)

CH-MQE-C-OR 88 528219-20-5 MCAPLEN

NN 518319-26-9 HARLUS CM Hospholine, 4-[(3-[1,2*-biphenyl)-4-yk-5-(2-fluorophenyl)-1H-pyvanok

NS 518219-27-9 NCAPLUS

SS 198219-27-9 NCAPLUS

1-Physraxinamins, Nr(1)-(1,1'-bijdenyi)-i-y2-5-(2-ficorephenyi)-1H-pyrazol-

NN SEE18-33-6 HCARLOS

CH Murpholine, 4=[2-[1-5,3'-biphenyk]-4-yl-5-(2-fluorophenyk)-1E-pyvazol-4-yl-6-(byk)- (C. INECE MAME)

ms 500219-32-7 MCAMAGES
CS Piperidine, 3-[(3-[1,2*-biphenyl]-4-yl-5-(2-fluorophenyl)-18-pyrenol

NN 518318-33-8 HCARLES CN Morpholine, 4-([3-[1,1"-blykecyl]-4-yl-5-(2-fluorophecyl)-1H-pyrolol-1

ss 58219-41-9 MCAPLES OS Piperidine, 1-13-11.1*-biphenyl)-6-yl-5-(2-fluorophenyl)-18-py yl/methyl-2-methyl- (OA INDEX MAME)

NS 518219-44-1 BXBERS CB Paperation, 1-[13-(1,17-bighenyl)-6-yi-yilcaxinoqi)-4-methyl- (Rct) (CK IMBEX 27/12/2007 Page 18

ALL ANDROY I OF I HEAVING COPPRESSES 2017 ACD OF SER (CONTAINED)

NO 508318-46-5 MEMBER CB 3-Pyrolidino, 1-[[1-1], 2*-bighenyl|-4-yl-5-(2-fluorophenyl)-1H-pyranol yl|methyl|-, (36)- (CA INDEX NAME)

NS 52818-46-3 ECAPLOS CS 1-Fiperarine-carboxylic acid, 6-[1-[3,1'-biphenyl]-4-yl-5-[2-ficorophenyl Th-roware]_daylog_boll__1_3_1-draw_bolk-boll_area __(7_TNSS_NAME)

ns \$19119-51-0 mrA9Lou CS Morpholine, (-||5-|2-floorophenyl)-1-(1',4',5'-trimethoxy|1,1'-biphenyl|-

NN S08219-92-1 ECASLES CB Margholine, $4-[(5-(2-f)\cos ngheny))-2-(4'-(irifivoromethyl)(1,2'-bighenyl)$ $4-y_1)-18-pyzarol-4-y(mathyl)- (CA INDEX NAME)$

RS 628218-53-0 REAFLES
CS (1.17-01phosp)-2-accountsile, 47-(5-(2-fluorephosp))-0-(

MS 588119-47-4 MCAPANN CN Piperarine, 1-[[3-[1,1"-biphenyl]-4-yl-5-(2-fluorophenyl)-1H-pyranol-

NO 518215-48-5 BCAPLES
CH 1M-Pyvazole-4-darkozaldenyde, 1-[1,1"-biphenyl]-4-yl-5-(2-fluorophenyl)

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mm \$18218-54-3 MCARGES
CM Morpholine, 4-||3-|2'-chloro||,1'-bighenyl|-4-yl|-5-|2-fluorophenyl|-18pyranol-4-yl|methyl|- (CA IMOER NAME)

CS Morpholine, 4-(13-33,5'-dichloro]1,1'-bightnyl)-4-yl)-5-(2-fisorophtnyl)-1M-pyranol-4-yl(methyl)- (CA INDEX NAME)

NH 518319-56-5 HCAPLES CH HURCHOLLE, 4-((5-fluorophonyl)-1-(4*-methoxy(1,1*-biphonyl)-4-yl)-18 (20 Hurcholl | 1 (24 Paper Name) 115 ANSWORD DW 1 HEAVELE COPPRESSED 2017 ACE ON SER (CONTINUE

%% \$94119-67-6 MCAPLES CS Morpholine, $6-[(1-13^{\circ},4^{\circ}-difluoro[1,1^{\circ}-bipheny1]-6-y1)-5-(1-fluoropheny1)$

NS 59218-52-7 EXAMANS CN Murpholine, $4-[(6-(1-flacrophenyl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|-4-yl)-1-(4^*-methyl|1,1^*-biphenyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphenyl|-4-yl|-1-(4^*-methyl|1,1^*-biphe$

SS Norpholize, 4=[(3-10-floorophosyl)-1-(3'-methosy(1,1'-biphosyl)-4-yl)-18pyrasol-4-ylimethyl)- (CA THORK NAME)

115 ANSWER 2 OF 2 HEADLES COPPRIGHT 1007 ACS on STH (Continued)

NS 51213-62-4 NCAPLOS
CM Marchalle. (-)[3-13-ethory], 1'-binhenvi|-4-vi|-5-(2-fluoromhenvi|-10

NS 52819-6c-5 MCAPLES CS Morpholine, 6-[3-12'-fluoro[1,1'-biphenyl]-6-yl)-5-(2-fluorophenyl)-3 ****sol-d-yllmebhal- (CA THOSE WAME)

CS Morpholine, (-|(2-)6-(2,3-dibydro-1,4-bentodiomin-6-yl)phonyl)-8-(

88 51919-60-1 HCAPLES GN HScpboline, 6-([3-43*-chloro]], 1*-biphenyl]-6-yl)-5-(1-finorophenyl)-1 syrand-6-yllesthyl[- (GA [MGHE 1988)

mm 528319-61-2 MCAPEAN CN Horpholine, 6-1(5-(2-fluorophenyl)-1-12'-(trifluoromethyl)[1,1'-biphenyl]

 $\begin{array}{lll} \text{RS} & \text{SIB219-62-3} & \text{SCAPLES} \\ \text{CS} & \text{Morpholine}, & \text{-}(15-(2-fluorophenyl)-1-(2'-methony(1,1'-biphenyl)-4-yl)-1E} \\ \end{array}$

Lis AMBMER 2 OF 2 HCAPGES OPPINIGHT 2007 ACS on SIM (Continued)

No. 518318-68-8 MCAPLES CB: (1,1'-Siphenyl)-s-acetomitrile, 4'-(5-(2-fluorophenyl)-s-(4

CS [1,1'-Bipheny1|-3-scottonitrile, 4'-|5-(2-fluoropheny1)-4-(-

CN Horpholine, 4-[(1-(3',5'-difluoro(1,1'-biphenyl)-4-yl)-5-(1-fluorophenyl)

115 ARSHOW I DEF 1 HOPPINGS COPPRIGHT 2017 ACE OF STR (CORE 18-morran)-6-of loar bull- (CR 1909 MARS)

NS 598218-72-5 NCAPAGE CS Hirpholine, 4-[13-12", 6"-difformo(1,2"-laphenyl)-4-yl)-5-(2-flacomybeny

NS 528719-72-6 RCAPLES CS Morpholine. 4-[8-13-(lourophenyl)-1-[4-(2-thlenyl)phenyl]-18-pyrasol-(loughel). CA Tener NAME:

RSI 50#219-76-7 REARING CSI Morpholium, 4-[12-(4'-rhloro)], 1'-biphenyl)-6-yl)-5-(2-fluorophenyl)-11 pyranol-4-yllombhyl)- (GA THOME NAME)

115 ANSWER 2 OF 2 HEAPLES COPYRIGHT 1007 ACS on STH. (Continues

NN 509119-85-0 ECAPLOS

(N 1-Binararinamina, N-111-11-11-binabana) |-8-xi-5-12-Financesbased |-18-communi

NS 50#219-#7-2 HCASIOS CH 1M-Pyvarole-1-carbonaldehyde, 1-[1,1"-bighenyl|-4-yi-5-(2-fluorophenyl)

ALS ANDROLD OF 1 HOMENUS CONTRICKT 1987 ACR OF STR. (CONTINUES)

88 514219-15-8 BCAPLOS CR Horpholine, 4-13-13-(1-corophenyl)-1-(3',6',5'-trifluoro(1,1'-taphenyl)-4

NN 51818-86-1 HCAPLES
CN Pipersine, 1-([3-[1,1"-bipbenyi]-6-yi-5-(2-fisorophenyi)-18-pyrasol-

- 518219-84-9 508219-85-0 528219-87-2
- ML: MCT (Meachast); MACT (Meachast or respect) (properation of pyranoles as glycine transporter protein ishibitors for the treatment of meachasemersalive diseases)

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144 ANSWERS I BY 18 HEAPTLE COPYRIGHT 255 / ACE on ST AN 2557-527431 BYARTIN

(88 13/19314) T. Preparation of pyramicovarious and sample as inhibitors of factor & 18 Dr., Billynn, Jis. Escaping Jon; Hierg, Wenrong; Song, Yonghong, Kente Jesus, Southerney, Estert M.

NA USA 30 U.S. PAI Appl Publ , 203 pp , cont -in-part of U.S. Ser. No. 662, CORN \$50000

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or stretup overwhich; and sulvagor etc., etc.; 1 = a direct link; (OC).

or tretup completion director, when propersion link; a 1-berg symbols;

12 33463-16-29 330892-17-19 330993-18-49 33463-19-59 330892-20-49 330893-21-99 234623-12-09 330892-23-19 310893-14-29

> AL DAC (Darmocological activity) dBM (dynthetic preparation): ZMM (Therapeutic see), DIOL (Blological study): DNEP (Preparation): USE (See)

(preparation of pyranolevarionsmides as inhibitors of factor Xa)

331603-14-2 EXPAUS

CB 18-Pyrasole-S-carrousside, 1-[1,1'-bipbenyl]-6-yl-S-(4-chlorophenyl)-3methyl (OA 192E NAMES)

144 ASSMEN 1 OF 18 NCAPLES COPYRIGHT 2007 ACS on SIN (Continued

NN 33803-20-8 EXAMING CHILDREN STATEMENT OF THE STATEMEN

NS 331803-21-9 MCMPLES CS 18-Pyracolo-3-earthouside, 3-|2'-(aninosulforyl)|1,2'-biphenyl)-6-yl)-8-(6bress-2-asphthainyl)-3-methyl- (GA INDEX NAME)

SE 211603-21-0 HCMPLES
CS 1H-Byrarole-5-carbonande, 2-(2'-(aminosulfonyl)(1,1'-bsphonyl)-6-yl)-3methyl-N-2-nephhalonyl- (CA INDEX NOME)

mm 110003-17-1 accuracy CS 1H-Pytarola-5-cerbounide, 1-[1,1'-bapbenyl]-6-yl-8-(4-mathoxyphenyl)-

EM 310903-18-4 MCAPLON CS 18-Pyracole-5-carbonatios, 1-12*-(aminopullonyl)[1,1*-biphonyl]-6-yi]-8-(iphonylandia, 3.melbel (CA 19062 MARC)

NS 31003-19-5 NCAPLUS CN IN-Dyrazole-5-markenamics, 1-12'-(aminosulfonyi)|1,1'-biphenyi|-6-yi|-8-(4-

140 ANSHER 1 OF 18 HEADLES CODYRIGHT 2507 ACS on STB (Conclused)

88 33603-23-1 BCARUS CH 38-Pywards-Coartecantos, 3-[2*-(aminosulfonyi)[1,1*-biphenyi]-s-yi[-m-7isoquinolinyi-3-methyi- (CR INSEX NAME)

NN 33603-24-2 HXMFLHS CN 1M-bypanole-6-darkotemide, 3-[2"-(aminosulfonyl)[1,3"-biphenyl]-6-yk]-8-(6 clicos-2-yypidinyl)-3-enchyl- (CN INDEX NAME)

s 33603-25-3 MSAPLES S 18-Pyratole-5-carbonesses, 1-(2'-(aminomifonyl)(1,1'-bizhenyl)-4-yl)-8-

ANSWER 1 OF 18 NCAPAGE COPYRIGHT 2007 ACS on SIN (Continued

03:92-5 HEAFLEN presche-S-cerbooyle actd. 2-[2*-(aminosulfosyl)[1,1*-bighesyl]-4-yl [hyl-, 4thyl ester (CA IMME: NOME)

03-94-4 MCAPLES yrarole-5-carboxylsc ecid, 1-12'-(aminosulfonyl)[1,1'-biphesyl]-4-yl(-dwh). Car DENCE MEMO)

monutom -parkonylic acid, 3-[1,3'-biphenyl]-4-yl-5-methyl-, ethyl one bywes

| March | Marc

The tile compile (SMEMER) a slip), optically), (nanomatriated SR, 0 = 6 troot Lish, Allylena, 00, etc.) 0 = 6 troot Lish, Link (smiphographen, etc.) 8 = 6 troot lish, (02)900, 002; etc.) g = 6.02 (g = 6.02) 0 = (non-instituted 00, compositation of the management prodoculation is represented by the composition of the composition

BOX 1 DEF 16 MEMANDA COPPRIGHT 2017 ACE ON BITS (CONTINUED

331E03-41-39 339E3-34-49 310031-91-3P 31E03-92-3P 329E2-31-59 310031-94-6P AC-NCZ (Associator); 50% (Apthotic preparation); DMEP Greparation), AMCI (Feactest or respect) perspectition of 1-supports-3-sentify: 1999yasole-5-carbonanides as inhibitors

of factor Na)

23 31803-41-3 HCAPLES

CS 18-09Variable-1-cartecopic acid, 5-mothyl-1-(2-mayéthalecyl)-, ethyl ester

- Let ASSES 1 of 18 RADAUS COPYNICE 1817 AGS as EXP.

 STREET, ST

AB The title compds: (I, alternatively represented by tantomer II; Q = H, GH No: KC: Y = Y, CI, HY, I; I = H, CDS; $KI = \{m\}$ substituted HA, nightly I,

HCAPLUS |-carboxylic acad, 1-[2*-(sminosulfosyl)|1,1*-bapkesyl|-s-yl) | hyl ester (CA 190EL NAME)

244339-02-8 MCASLOS cs-byrandiu-4-one, 1,5-dikydro-1-(kydroxymethyl)-6-|(2-methorrobergi)methyl)-1-(2,4,6-trichlorophergi)- (CA INSEX 8008)

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- 248 ASSMER 4 OF 18 MCRAUSS COPYRIGHT 2007 ACS on STN (Cochineed) (Tate) (Tee) ... mendum ODPERIORI 2007 ACS on STM (Continued)
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OF 16 REMPLES COPYRIGHT 2007 ACS ON SIRE (CONCLUSION)

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IN 4 OF 18 HEAPLES COPYRIGHT 2007 ACS on SIM (Continued)

21015-20-6 HOARAG 18-Dynamic-4-carbonylic acid. 1-12', 6'-dimethyli1.1'-bighenyli-4-yh)-5-12-'' worshol'nylisthonyl-, ethyl ertor (CA IROZE NAME)

2)015-19-3 ROAFUS IN-Pyrancie-4-carresying sens, 1-(2',6'-dichioso[1,1'-siphecyi]-4-yi)-5-(3 (4-morpholisyi)-thosy|-, origi error (CA THURE NAME)

ES 210419-30-0 BCAPLOS CH IN-Pyracele-4-sartecylic send, 3-[2*-(2-methylpropyl)[1,3*-buphenyl]-6-yi] 5-[2-(-scoppholisyl)ofhosyl-, othyl setor (CA IMEEE MAME) 27/12/2007 Page 27

ANDRON 6 OF 16 HEMPLES COPYRIGHT 2017 ACS ON STR (CONTLINES)

RS 211619-11-1 REARLES CS 18-Pyracole-4-cartesylic acid, 5-12-(4-corpholicyllethoxy)-1-(2* proposyli,1*-biphosyl)-4-yl)-, etbyl ester (CA INDEX MARK)

144 ANSWER 4 OF 18 NCAPLES COPYRIGHT 2007 ACS on SIN (Continued)

NN 21859-16-6 NEARLES CS 18-Pyrascle-(-carbooylic acis, 5-[2-(4-morpholing)|stbory)-1-(2'-misro(1)'-dispensy)-(-sy)|-, ethyl setter (CA INDEX NAME)

146 ANSMEN 4 OF 18 HEAVIES COPYRIGHT 2507 ACS on STM (Conclused)

ms 318618-53-7 MCMARS cm Mergholine, 4-[2-[(1-[1,1*-biphengi]-4-gl-4-methyl-18-pyrazol-5-27/12/2007 Page 28

RG 21899-54-8 REAPLES GS 18-Pyracie-4-cartecyls estd, 3-(3*,5*-dicblorell,1*-bighenyl)-4-yb)-5-(2-(4-mayabilipi)-64-hop)-, etbyl ester (CA 1908E NAME)

144 AMSWER 4 OF 18 NEWPLES COPPRISHT 2007 ACS on SIN (Continued)

Description of the second of t

21615-61-7 HCAFLES
38-Dyracole-4-cartecylic enid, 3-(3*-aminol1,1*-biphenyl)-4-yl)-5-(2-(4-aminol1,4-biphenyl)-4-yl)-5-(2-(4-aminol1,4-biphenyl)-4-yl)-5-(2-(4-aminol1,4-biphenyl)-4-yl)-5-(4-aminol1,4-amino

NS 21643-43-9 BONGO CE Helysanie-toardenyie end, 3-(f-(methesyartenyi)),)-hijdenyi1-4-yi3-(-(1-(-mospholisy))-tokoy)-, settyi estar (O. HEGE HAGE) 27/12/2007 Page 29

SN 218819-69-3 MCAPLES CN 18-byrasola-4-carbodylic acis, $5-|2-(4-\text{supphilisyl})+\text{chory}|-1-|2^*-\text{chory}|+1-|2^*-\text{chory}|+1-|2^*-\text{chory}|+1-|2^*-\text{chory}|+1-|2^*-\text{chory}|+1-|2^*-\text{chory}|$

27/12/2007 Page 30

144 ANDRON 6 DF 19 HEAVILLE COPYRIGHT 2017 ACE ON STM (CONTINUE

NS 21819-78-6 EXAMING CS 18-Pyvacole-4-cayhonylic acts, 2-(4-(2-methylethyliphenyl)-5-

NS 21819-81-1 NCASLES

OS NOTODILES 6-13-111-(2',4'-dichloro|),1'-biphenyl|-4-yl|-4-|(5N0-4,5-dicpmo-6-methyl-1-osarolyl|-18-pymanol-5-yl|oxy|etsyl|- (CA IMMES NN Abandusa staranchundary Notodiles (GA)

208 21#19-41-3 SCAPICS

Morpholine, 4-[2-[1]-(2',6'-diobloro[1,1'-hopbeny]|-4-yl)-4-[(5E)-4,5dinydro-5-serityl-2-oxarolyl)-1N-pyvarol-5-yl]oxyl-elsyl)- (CA IMEEE NAME)

244 ASSMER 4 OF 18 NCAPLES COPYRIGHT 2007 ACS on STN (Continued vilencially); (CA PERK MARK)

NN 218819-81-3 KCAPLOS CS 18-Pyratole-4-carboxylic acid, 1-(4-(2-methylethyl)phenyl)-5-(4

NS 211819-92-1 SCAPLUS
CS 1N-Pyratole-t-carboxylic acts, 1-(6-(1-methylethyl)phenyl)-5-(1-(1

NS 211419-53-5 HCAPLUS
CS Herybeline, 4-[2-[]1-(2',6'-dichloro[],1'-bophenyl]-4-yl]-4-(1-methyl-1H

6 ANDMOR 6 DF 19 HEAVILES COPUNICET 2007 ACS OR SITE (CONCLEMENT)

NR 11019-84-4 MARAN CR Morrholine, 4-12-14-Oschozwethyll-1-14-C-methyl-1-asphrhalesyllphenyl

 $\begin{array}{lll} \text{RS} & 21923-65-5 & \text{MCAPLES} \\ \text{CS} & \text{Morpholine, } 6-[2-][1-(2^{\circ},6^{\circ}-\text{dichloro}]],1^{\circ}-\text{hiphenyl}[-6-y1]-18-pyrarol-\\ \end{array}$

LAS ANNAUS A OF 18 MCBCLAS CODYNICHT 2507 MCS on STM (Constituted

NN 210919-94-6 MCAPLOS

RE CHT 2 THEFE ARE 2 CITED PERFERENCES AVAILABLE FOR THIS PROCES.
ALL CITATIONS AVAILABLE IN THE RE PORMAT.

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- 12 20176-56-79 RL MM: (Apricultural use), NM: (Miological activity or affector, except effects), BST (Backgoleal study, unclassified); NCI (Rectard); SSS (Symbolic preparation); NCI (Backgoleal study); SNED (Preparation); NCI (Rectard or redepend); NCI (Study); NCI (Study); NCI (Rectard or redepend); NCI (Study); NCI (Study);
- NS 237126-64-7 EXACTOR IN-Symptoid-2-desploatisile, S-amino-1-[2, S-dichloro-4'-(triburgistancy1) [1, 1'-biphecy1|-4-y1|-4-(trifluoromethy1) thio)- (CA INDEX NOME)

CH 18-Pyvarole-3-carbonitrile, S-amino-1-(3, S-dichloro (1, 1'-biphenyl)-4-yl)-4
((reff)-cocmarbyl)-biol- (Pa Persy Name)

CS IM-Sympole-3-carbonitrile, 5-amino-1-(3,5-dichloro-1'-methyl|1,1'-

CS 18-Pyrarole-3-carbonitrile, 5-amino-1-(3'-amino-3,5-dichloro(1,1'-blybowyll-1-yl)-4-(|triflowroecley)|thio|- (GA INDEX NAME)

RS 201333-50-2 ROBLES CONTROL CONTROL

preparation; SIGG (Stelegical study), FREP (Freparation);
MARS (Free)
(preparation of particidal 1-polyarylpyraroles)
(2013)-64-8 KEARLON

146 ANSHER 5 OF 18 HEADLES CONTRIGHT 2007 ACS on SIN (Conclused

CS Actanide, N-[4'-[5-anino-3-cyano-4-](trifluoromethyl)thio|-lE-pyranol-1 yll-3',5'-dichloro[1,1'-bighteyl]-3-pl]- (CA [NOEI NOEI]

CN 18-Dynarole-J-carbonitrile, 5-mino-1-(3.5-dichloro-3'-formyl(1.1'-

CH 18-Pyrasole-3-carbonitrile, 5-amino-1-(3,5-dichloro-4'-methoxy|1,1'-

00 207333-43-5 BOARLOS CB H-Pyratole-3-carbontrile, 5-main-1-(3,5-dichloro-4'-fluoro[1,1'hybenyl1-4-y11-4-fitrifluoromethylithio|- (CA INNEE NAME)

RS 207123-64-0 ROAFLES
CR 18-5ysaxle-loartentrile, S-amino-1-(3.5-dichiego-3'-fluoro(1, biphonyi)-4-yi)-4-|(trifluoromethyl)thio|- (CA INDEX MARK)

NS 101131-6-1 EDMIN
IN-Pyratole-1-carbonitrile, 5-amino-1-(2,1*,5-trichloro-4*-fluoro(3,1)
biphopyl)-4-plx-4-(trifluorosethyl)thiol- (CA INDEX NAMED)

201123-66-2 RCAPLES
CS 1M-Pyvarde-1-caricultrile, 5-amino-1-(3,4',5-trichlero[3,1'-kiphenyl]-6
vii--(ctrifunomachyl)thio!- (CA IMEE 1996)

NN 007120-67-0 MCAPLES CS 18-Syrande-2-carrierie, 5-amino-1-(4'-brone-2,5-dichloro(1,1 bipkenyl)-(-yl)-4-(trifloorcesthylthio)- (CA INDEX NAME)

09 207123-48-4 RCAPLOS
30 18-Pyrarele-3-caricoltrile, 5-aniso-1-(3,3",5,5"-tetrachloro(1,1"-bittervil-s-yll-s-(trifluoroseth/lithio)- (CA 18082 NAME)

44 AMERICA S OF 18 NCAPLUS COPERISHT 1887 ACS on STN (Continue

NS 201338-13-1 MCAFLOS CS 1M-Pyracole-3-carbooltrile, 5-amino-1-(3,5-dichloro-2'-methyl(),1 bizberyl(-1--yl)-4-imethylchio) (CA INDEX NAME)

NS 207133-7(-2 MCAPLES CS IN-Pyratole-3-carbottrile, 5-amino-1-(3'-amino-3,5-dichloro(1,1 historyll-deryll-deryll-delyl-history (CA THOME NAME)

NS 201233-75-3 ECAPLUS

1M-Pyvarole-3-eariemitrile, 5-amino-1-(2,5-dichloro-3'-mitro(1,1 hipken))-(-p1)-(-methylthio)- (CA IMDER MARE)

RE 201223-16-2 REAPLES (S Accteded) S-[4'-15-mairo-3-cyano-4-(methylthio)-18-pyracol-1-yl)-3',5' d:48-0-11.15'-05-per/1-3-yl]- (OA INDEX NAME)

RS 207333-17-5 ROMPLES

SS 287333-69-5 BCAFLOS
CH 3F-5792261-3-0-0-benitrile, S-amino-3-[3,5-dichlere-4'(traficoconthyl)[1,2'-biphenyl]-4-yl)-4-[thrificoconthyl)thio](CS

SS 207131-70-8 MCAPLES CS 18-Dyracole-3-carbonitrile, 5-amazo-1-13,5-dichloro-3',5'his turifusormentaly1(5,1'-haphwayl)-4-yl)-4-(Chiziloscometayl)thio)- (CA

me 287:13-7:-9 HCAPLES 28 18-Pyrasole-3-carbonitrile, 5-amino-1-12,4-dichloro-4-(1-

m 28713h-72-0 MCAPLEM S 1N-Pyratole-3-carbonitrile, 5-amino-1-(3,5-dichloro(1,1'-biphenyli-4-yl)-4-

146 ANSMER 5 OF 18 HEAVISE COUNTERS 2007 ACS on SIN (Conclusion

NN 287:38-78-6 MCAPLES CN 18-Pyrarole-3-carbonitrile, 5-amino-1-(3,5-dichloro-4'-methoxy(1,1'-

NS 287133-79-7 HARLOS CS 18-Dyrarole-3-carbonitrile, 5-amino-1-(3.5-dichloro-3'-fluoro(),1'

RO 287133-80-0 HOAPLES CS HS-Pyrarole-3-cartonitrile, 5-emino-4-(methylthio)-1-(3,3°,5-trichloro-4'fluorol),1'-biparyl1-4-yl1- (CA INDEX NAME)

NN 287133-82-2 HCARLOS CN 1H-Pyracole-3-carbonitrile, 5-amino-1-[3,5-dichloro-4'- Les Angelon & MP 10 HEMPLES COPYRIGHT 2017 ACS ON SITH (CONT.)

RS 201223-82-3 ROWLES CH IN-PRODUCT IN-PRODUCT IN-PRODUCT IN-PRODUCT IN-PRODUCT IN-CONTROL (CA IMPRE NA

RB 017130-84-1 BEAFLES CS 18-Byrasole-1-carbonitrile, 5-amino-1-(3*-bromo-1,5-dichloro(1,

RS 22123-85-5 RCAPLES CS 15-Pyrarele-3-caricolityile, 1-(3,5-61chlore-2'-methyl[1,1'-biphesyl]-4-yl 5-[[1-kyproxyl-3-methylphesyl]methylece|mino|-4-[(trifluoromethyl)thio]

S 207133-84-6 EXAFAS 3 13-Pyracio-3-carboutrile, 1-(3,8-dishlore-3'-mitre|1,1'-biphenyl|-4-yl 5-||1-agurouy-3-methoxyphenyl|nethyl+ne|umino|-4-[(trifluoromethyl)thio-(CA_INGEC_SMAE]

144 AMSHER 5 OF 18 REASONS CONTRICKET 2007 Ac5 on STM (Conclinated)
85 201334.84.94 EXAMATES
134-PM_SAMATO-3--CANADOLITIS, 1-(3,i-dichlore-4-matchoxy)1,1'-bijbenyi)-4y11-6-[[(4-bytcory-2-matchoxy)noxy])nottylene]mnino]-4[(4-killore-2-matchoxy)noxy])nottylene]mnino]-4-

NS 207133-50-2 MCAFLOS
CH 13-89/24103-3-04720011110-, i=[[(4-bydroxy-2-methoxyphenyl)methylene)amin
[-2-13.7]-5-trichtec-4'-fluoro(1,1'-biphenyl)-4-yl)-4-

NS 207123-01-3 EXAMINE | S-[((d-bytrosy-3-methotyphony))methylenel-mass |-1-(2', J, 2', S-estandshono(J, 1'-adpossy)|-d-y()-d-[((s-ffuncomethy))thus)-

NS 20733-87-7 BCABLAG
CH Anet ante. The [27.5 *-deth) oye = 1*-[10-symmed*-[16-bydgrosy-3metrosymmylmethymolymics[senso] antel = 1-(triffuscrosethyl)thio|-10-pyminol-iyl)[1,2*-bigbory|10-5-yl)*- (CA INDEX NAME)

NO 207333-00-0 DCAPLOS
CM 35-5yrande-3-ourbenitrile, 1-(3,6-4)chloro-4'-formyi[1,1'-olymenyi[-4-yi]
5-[1(-bhrdro-y-3-methoxymhenyi[methylene|amino]-4-(ttrifluoromethyl)th[ol-

144 ANSHER 5 OF 18 MCAPLES COPYRIGHT 2007 AGS on STM (Continued)

ns 207133-62-6 BCAPLES 38 18-9yratole-3-carbonitrile, 1-(3,5-dlchloro-4'-(trifluorosethyi)(i,1' hiphonyi-1-4yi)-5-(1(6-hydrosy-3-methocyphenyi)methyicos(aminol-4-

CS 1H-Pyrarole-J-carbonitrile, 1-emino-4-[(dichlorofluoromethyl]rmlfonyl] (J.5-4(shloro-4--(sylfluoromethyl)(1,1-miybenyl)-4--yl) (CA IMBER NA

297233-94-6 HOMPLOS

SH-Pyrarole-J-carbonitrile, 5-mmino-4-[(dichlorofluoromethyl):mifinyli-1-[1,5-dichlorof"-(tarfluoromethyl):1,17-diphenyl)-4-yl)- (CA CHIEF NAME)

144 ANDRON S OF 18 HEAVILLE COPYRIGHT 2017 ACE OF SITE (CONT.)

RE 20:122-95-) NCAPLON
CS 18-Pyratole-2-carbonitrile, 5-mano-4-[(dichlorofloromethyl]thio]-1-[
dichlorom-1'-(trifloromethyl)[1:1'-brybenyl]-4-y]- (CA DROSE NAME)

NS 201123-96-9 EXAPLES
CS 18-Pyvarole-3-carrectrile, 5-amino-1-(3,5-stobloro-4'(trifluorosethy) [1,1*-bjphegyl]-4-yl]-4-(trifluorosethy) sulfinyl)- (t

30 20123-87-9 MEMPLES
CS 18-Pyracole-3-carbontrile, 5-amino-1-(3,5-dichloro-4'(trifluorosethy) [],1"-blphesyl1-4-yl1-4-(trifluorosethy) sulfceyl)- (CF

NS 237133-98-0 EXASLS: SS Methanous, (5-amino-1-13,5-dichloro-4'-[trifluoromethyl]]],1'-biphenyl]-4yl]-4-[(trifluoromethyl)thio]-EX-pyvasol-1-yl[phenyl- (CE INNEX MANN)

LOG ASSESS 5 OF 18 HCAPLES COPYRIGHT 1887 ACS on STN (Continue

NS 201126-21-0 NCAPLES

SHIP TO THE PROPERTY OF THE PROPERTY O

OS 18-Pyvarele-3-modeles OS 18-Pyvarele-3-cartecturile, 5-amino-1-13,5-elebhoro-4'-

NS 201184-13-4 MCASLES CM 18-Pyrasole-3-carbontrile, 5-anino-4-broso-1-[3,5-dichloro-4* (www.lorenesbyl.ll.1*-biphreyl:-6-yl)- (CM_INDEX_NOME)

NS 207234-24-5 NCAPLES
CS 18-Pyracole-J-cartecistile, 5-emino-2-13,5-dishloro-4'(trifluoromethyl)[3,3'-higheryl]-6-yl]-6-(ethylthio)- (CA INDEX NAME)

NS 20 (384-28-6 MARKES CS Thiopysic and S-amino-3-system-1-(1,5-dichloro-4*-(trifinoromethyl)(1,1*-

...

RM 287134-18-7 MCAPLAN CS 18-Pyranole-Y-carbonitrile, 5-amino-1-(a'-bromo-3,5-dichloroji,1'' Purbervil-4-vil-4-(dichlorodiscromethylithno)- (CA INTAX MADE)

80 227334-13-4 MCAPLOS CS 31-Dyracole-3-octronitris, 5-msino-3- $(2^{\circ},3,5,6^{\circ})$ -tetrachioro-4'-(cs21acocentris), 13-biphesgl; $(-y_1)$ -6-(ts1finorometaji)tio)-(CA

RM 277134-10-1 MCARGAS

CM Ni-Symptole-3-carpositrile, 5-amino-3-[3,5-dichloro-4'(riffleoromethosy)[1,1"-biphenyl]-4-yl]-4-[(riffleoromethosylthio)(GA remon mass)

144 AMSHER 5 OF 18 MCAPLES CODYRIGHT 2007 ACS on SIM (Contlane

NS 207134-26-7 ECAPLOS
CM IM-Pyrazole-3-carbinitrile, 5-amino-4-chiero-1-13, 5-dichiero-4'ctrifizocomethyl [l.1"-bightryl|-6-yl]- (CA IMBEC WAME)

88 207234-17-8 MCARLES S H8-Pyranole-1-carbonitrile, 5-amino-1-13,5-dichloro-4'carificoremethylill.1'-biphenyli-4-yli-4-Oschhylmulfinyli- (CA INDEX

NN 287334-28-9 HCAPLAS CN 18-Dysacie-3-dathonitrile, 5-amino-3-[2, 5-sichtoro-4- (crificocasty)|[1,1"-biphecyl]-4-yl]-4-(stylunifisyl)- (CA INDEX MAN

NO 207134-29-0 MCAPLES
CE 33-Syrazdo-1-cartentrile, 5-amino-1-(4'-leomo-2,5-dichloro[1,1'hipeowil-4-vil-4-(idichlorofluoromethy);sulfony); (CA. HEREE NAME

NS 297336-36-3 HOMERS
CN 3N-PSYRION-3-cartemetrile, 5-smino-1-(2,5-dichloro-4-27/12/2007 Page 35

RE 2011A-11-5 HOMELON
UN IN-PYRATO-1-CATRONALON, 5-amino-1-13,5-dichloro-4'Unifluoromatighi II.1'-biphengil-4-yil-4-12.3,7-trifluoro-1-hydromy-1

NS 20120-00-9 MANAGES OS 18-Pyracele-3-carbonitrie, 5-amino-1-(3,5-dichloro-2'-fluoro-1,1'-humanit-1-rip-1-(traffungumental)thio| (CA 1982 MANA)

mm 287134-15-9 MCAPLES CS Rithmone, 1-15-manno-1-13,5-dichloro-('-(trifluoromethyl) | 1 v11-d-mashyllhio)-Dhypysynd-byll- (CA IMBER MARK)

237134-36-9 BOAPLUS 18-Pyrarole-3-cartenitrile, 5-amino-1-[3,5-dicklore-4'-(trifluccosety): [1,12-biphesy]-4-91]-4-[1,2,2,2-tetraflucro-1 (trifluccosety): [2,12-biphesy]-4-91]-4-91

RS 287334-40-5 NCAPLOS CM 18-Pyrasole-3-carbonitrile, 5-amino-1-[3,5-diobloro-4'-troffuoromethory][1,3'-biphecyl]-4-yl)- (CA TROCK NAME

144 ASSMEN 5 OF 18 HEADLES COPYRIGHT 2007 ACS on STM (Continued) CM IN-Pyrazole-3-carbonitrile, 5-broms-4-[dichlorofluoromethylithio]

mm 287134-48-3 MCAPLES CB Hs-Pyracole-3-carbostrile, 5-maio-1-(2',2,5,4'-tetrachioro|1,1'-h-shawil-d-wil-d-wile-illepfilescentRyllthiol- (CA IMMEX NAME)

PB 207134-50-7 MCAPLES CB H-Dyracole-3-carbonitrile, 5-mmno-1-13,5-dichloro-2'-(frafixonomethyl)[1,1*-tajheeyl]-4-yl]-4-[(frafixonomethyl)thio)-(D. 10713-107

xx 20:12e-51-0 EXAMENT
CE 18-Pyracho-1-carbonitrile, 5-emano-1-13.5-dichloro-1'-mitro-4'trifluoromethyl) [Lif'-buphasyl]-4-yl)-5-(trifluoromethyl) third-

NS 237134-52-9 HOAPLES GS HS-Pyrarole-3-cartesitrile, 5-amino-1-(3,5-dichloro-4'-fisoro-2'metty(1,1'-tolphesy)-4-y11-4-(trifisoromethyl)thio)- (CA INDEX NAMED

NS 20134-53-0 ECAPLUS
CS 18-Pyrarul-1-oarteoitrile, 5-amino-1-(3.5-dichioro-1',5'-diffuoro(1,1 bitkeri)-1-3-1-4-(fit)fuorosethyllthio|- (CA INDER NAME)

RS 207134-54-1 EXAMING CS IH-Pyratole-3-cathenitrile, 5-animo-1-(3.5-dichlore-2',6'-difisore(1.1')

144 ANSHER 5 OF 18 NOADLES COPPRISET 2807 ACS on STN ("Continued) CS 18-Dynarole-3-cartecutelle, 5-amino-2-18,5-dichioro-4"-(cyanomethyl)[1, 1 https://link.com/pi-e-1/cartifuccomethyl)[1, 1]

NO 00138-65-6 MEARLES CH 18-Systole-3-carbonitrile, 5-aniso-1-[3,5-dichloro-4'-Chethylsulfesyl[3],1'-biphenyl[-4-yl]-4-[(trificoromethyl)thio)- (CF

No. 20124-42-1 NOALIN SIM-Systemie-3-extremittile, 5-amino-2-(3.5-dichloro-4'-(dischylamino)[5,1'-biphenyl)-5-yl|-6-[(trifluoromethyl)thio]- (CR INTRAtion

NR 23713s-62-2 RCAPLES CN 1M-Pyrarole-2-carbonitrile, 5-xmino-2-(6-(1,2-benrosicos)-6-yl)-2,6

ES 25734-56-3 MCAPLES CS Si-Syrarche-3-carbonitrie, 5-amino-1-(3,2',5-trickloro-5'-fisoro(1,1'-

88 287134-57-4 HOAFLOS CB H-Pyratole-J-carbonitrile, 5-emino-1-(3,5-dichloro-3'-cyano[1,1'-blybespi)-1-yl-1-(trifluoromethylithio)- (cA INDEX MARK)

RE 28713-58-5 MCAPLES CS 18-Pyracole-2-carbonitrile, 5-unino-1-(3,5-dichloro-1'-methoxy|1,1'-birbony|-4/1-4-(Frifluoromethylithio)- (CA 1994K NAME)

L46 ANSHER 5 OF 18 HEAVIES COPYRIGHT 2007 ACS on STB ... (Conclused)

CH IM-Pyrarole-3-carbonitrile, 5-amino-1-(3,5-dichloro-4'-cjano[1,1'hisbens')-4-v)---|Trrifluoromethylithio|- (CA IMSEX MARK)

CS 18-Pyrarole-1-carbonitrile, 5-mino-1-(1,5-dichloro-1',4'-diffuoro|1,

[3,1'-Miphenyi]-4-certoownide, ('-[5-miin-2-cyaro-4-((trif)wormethyl)thiol-IM-pgrarol-1-y1-3',8'-dichloro- (CA INDEX NAME)

IN 297134-67-6 HOMEMS CH 18-Pyrarole-1-carbonitrile, 5-amino-1-(3,3',5-trichloro-t'-cyano[1,1'

85 201136-48-5 BOARLES
CH 18-9923203-3x004560111110, 5-38260-2-13,5-dschlope-2-1,3-,4-,5-,6pentaficeo(1,7-bophseg)|-4-911-4-|(trifluocomethy)|thio)- (CK INEXX

NS 107:10-46-9 ECAPLES CS IE-Pyrarole-1-carbonitrile, 5-amino-1-(3,5-dichloro-4'-phenoxy(1,1'-biphenoxy(1-4-1)-4-(trifingromethy(1)hio)- (CA 1808X NAME)

NS 297234-T6-1 EXAMINE CH 14-Byrarola-1-carrectivite, 5-mnino-1-[2*,3,5-trichloro-4*-(triflucecomstry)[1,2*-bdpheny1[-4-y1]-4-[(triflucromstry)thio]- (6

SS 237134-71-2 SCAPLES CS 1H-Pyratole-J-cartecutrile, 5-amino-1-12,4-dichloro-4-(2,2-difluoro-1, heartenings,4-vivenor),4-4-(19-1/luoromethy))hhip), (CA INDEX NAME)

NO 22722-77-8 NEXALUS CS 18-Pyrarole-1-carkenitrile, 5-amino-1-12,3'-diamino-3,5-dichlero-5'-(trificorcostig): [1,2'-b)phrey1|-4-y1|-4-[(trificorcosthy):thio)- (trificorcosthy): [1,2'-b)phrey1|-4-y1|-4-[(trificorcosthy):thio)- (trificorcosthy):thio)- (trificorcosthy)- (tri

ns 20112-19-0 MCAPLES
CS 18-Pyratole-3-carbonitrile, 5-amino-1-(3,5-dichloro-3'-fluoro-4'nethyl[1,1'-hiphenyl[-6-y]]-6-(trifluoromethyl)thio)- (ON INDEX NO.

NS 201136-78-0 NCMPLES
CM N-Pyranded-functioning frameworks of the control of the

RS 20134-40-3 ECMSLOS
CB 1H-Pyratole-1-carbonitrile, 6-amino-1-(2,5-midhloro-4'-finoro-1'-

RE 227134-72-3 RAMPLES
CH 128-Pyrazole-3-darkonitrile, 5-mman-3-(4*-mman-3,5-darkinso-3*fiscoll-1-tophesyl-1-tyl-4-(trifisconsthyl)thio)- (CR INEXT MARK

89 18713-77-4 ROMPANN CP HE-Pyracol-3-carbonitrie, 5-mmino-1-13,5-dichloro-4'-mitro-3'-(trifuscomethy):11,2*-biphesyl1-4-yl)-4-(trifuscomethy):thio)- (CA

8 207134-74-5 MCAPLES
8 18-Pyrapole-3-carbonitrile, 5-amino-1-(3,5-dichloro-2*-hydroxy)1,1*hydroxyll.4.v).a.(0*-07)usermanled().b.(d. CB 1888/1885)

POR 287136-75-4 ROAFLOS CN 18-Syrarole-3-cerbonitrile, 5-msino-1-(4*-msino-3.5-dichloro|1,1*-%lighters|1-4-y-1-4-|(frifiuercomethy)|thio|- (CR 180EX NAME)

L44 ANSHER 5 OF 18 BEAFLES COPYRIGHT 2007 AGS on STM (Continued

RM 237134-81-4 MEMBLES CN 18-Systole-3-carbonitrile, 5-emino-1-(3,5-dichloro-5'-fleoro-2'methyl)1.1-biphenyl1-4-yl)-4-(trificoromethyl)thiel- (CN EMCEX NAME)

nu 28718-s2-5 MCAPLES CM 3E-Pyracole-J-carbonitrile, 5-emino-1-(3,3-dichloro(1,1*:2*,2**-terphosyl) 4-91-5-1 [Linfluoremethyl (thio) - (SCI) CCA INSEX MONEO

100 207126-84-7 MCAPLES
201 18-0yrasole-2-carbonitrile, 5-smino-6-(mothylsulfosp))-1-(3,2*,4*,5-tetrachloroll,2*-5-phenyl1-4-yl1- (CA.INNEX NAME)

NS 237334-84-9 EXAMANS S-amino-4-(methylsulfonyl)-1-(1',3,4',5-tetrachico(),1'-tejhylsulf-4-yl)- (CR INNEX NAME)

80 287334-90-5 BAMPLES CS IN-Pyracol-3-carbonitrie, 5-amapo-1-[3,5-dachloro-2'-mitro-4'-Ctraffuccessthyll [1,2*-baphenyll-4-yl]-4-dachlydsulfonyll- (CA INDEX

| 100 | 207134-56-3 | BOAFLOS | CR | 38-Pyrazole-3-oarbonitrile, 5-amino-2-(3,5-dichloro-2-4,4-differential-4-dichloro-1-4-differential-4-dif

144 ARREST 5 OF 12 SCHPLER COPPRIEST 2017 AIR OR BITS (CONCLESSED)
88 20 (25-51) BOARLES
88 21 (25-51) BOARLES

$$\underset{M}{\operatorname{Hom}} = \underset{G}{\operatorname{Hol}} \underset{G}{\operatorname{et}} = \underset{G}{\operatorname{Ins}} :$$

PS 207135-02-2 HARAGE CS IN-Pyr*role-3-carbonitrile, 5-emmo-1-(3.5-dichloro-3-cyano(1.1)

RS 207135-13-3 ECAPLES CS 18-Pyvarole-1-cartocitrile, 5-amino-1-13.5-dichloro-4'-methylthio||1.1

NS 20125-14-4 HXAFLOS CS 19-Pyurole-J-carbonitrile, 5-amino-1-(3.5-dohloro-4'-(cyanomethyl)(1.5

NS 207336-56-5 ECAPLES CS 18-byrasols-1-carrontrile, 5-aniso-1-[3,5-dichloro-4'- (setty):sulfosy):[],1'-bighesyl'-4-yl'-4-(setty):sulfosyl- (CA INDEE MARK

144 AMERICA 5 OF 18 NCAPLES COPYRIGHT 1887 ACS on STN (Continue

NS 201135-10-2 MCAPLUS CN 18-Pyrarole-2-carbonitrile, 5-amino-1-(3,5-dichloro-4'-cyano(1,1

nm 20135-31-3 MEARLEM CM [1,3'-Bipbergi]-(-carbosylic acid, 4'-|5-mmino-3-cyano-4-caechylsulfonyl Impyrato|-1-yl|-3',5'-miohloric, methyl exter (CA ITEME 1986)

NS 20125-11-5 EXAFLES

(S 18-Pyratol-3-carbonirile, 5-amino-1-3,5-dichloro-3'[trifluoromethyl [1,1"-bightegi]-4-yl]-6-cmethylmifosyl]- (CA IMEE

NS 201135-13-5 HOMPLES CB 18-Pyvarole-3-cartemitrile, 5-main-1-13,5-dichloso-1',3',4',5',6'- 146 ANDROX 5 OF 16 HEAVIES COPYRIGHT 2007 ACS ON SER. (CONCLUSING)

NN 287135-87-) HCAPLES CN 18-Pyratole-J-carbonitrie, 5-manno-1-13,5-dichloro-4'-

80 207)35-00-8 HCAPLOS CS 18-Pyrasole-3-carbonitrile, 5-amino-1-[4-(1,3-benrodicorol-4-y1)-2.6

NN 287135-89-8 HCAFLES
CB 18-Pyrazole-3-carbonitrile, 5-amino-4-(methylusifonyi)-1-(2,3*,5-trichioro

144 ANSHER 5 OF 18 HCAPLES COPYRIGHT 2007 ACS on STM (Continued)

NN 287135-14-6 HCAPLUS CN 1M-Dynazole-3-carbonitrile, 5-amino-1-(3,5-dichloro-4'-phenoxy[1,1'-

NN 287186-16-7 MCAPLEN
CO 18-Byzacol-3-carronitris, 5-maio-4-(methylmifoxyl)-1-(2*,2,5-trichicro
4-(ctficorcomethyl)(3,1*-8-phonyl)-4-(21)- (CA INNEE NAME)

mm 287135-16-8 HCAPLOS CS delfur, [4-16-mmino-3-cymno-6-(methylsulfeey)]-IH-pyrasel-1-yl]-3,3',5,5'sermodioro(),1'-10pmeny()-6-yl)pensaliusro-, (6C-6-21)- (6C1) (6X IMEE)

88 287739-17-9 HEAPLES CS 18-Pytatolo-3-cartentrile, 5-amino-4-partiqualifonyly-1-[2*,1,5,6] 27/12/2007 Page 40

NS 001336-19-1 EXAMINE CE [1,1"-Biphenyl]-3-carbonylic acid, 4"-[i-amino-3-cyano-4-o IB-cyanol-3-yl-3",5"-dichloro-4-hydrow- (OA INDER NAME

$$\underset{M=-}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}{\overset{CL}{\longrightarrow}}\underset{CD_2H}{\overset{CL}{\longrightarrow}}\underset{M_2}$$

NS 20138-16-4 ECAPLES CH 18-Pyvarole-3-carronitrile, 1-matro-1-(3,5-cichico-3'-ficco-4'-hydroxy(1,1'-biphesyll-4-yl)-4-chethylsulfosyll- (CA INDEX NAME)

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NO 1789/6-21-9 MARKING
CS [IllBerrethrepyranole-3-clpyranole-3-cerbonylic edid, 1-14-ianimanifacyliphecyl]-1.4-debydro-, methyl ester (CA INDEX MOSE)

ANDROX 5 OF 16 HOMPLES COPPLICAT 2007 ACS OR STH. (CORLINGO

MM 397235-22-6 MAMPLES CM 18-Byzarola-3-carteontrale, 5-amazo-1-(3,5-dachloro-3*-fluoro-6 ntro(3,1*-bapbayl1-6-yl1-6-(notbylzalfosyl)- (CA IMBER NAME)

20138-64-6 MCAPLES
18-Pyratole-3-carteoutrule, 5-amino-3-(3,5-dichloro-3(trifluccomethory)(1,3'-biphenyl)-4-y3-4-dmethylmulfonyl)- (CA EMGES)

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE PORMAT

144 AMERICA 4 OF 18 MCADLES CODYNIGHT 2507 ACS on SIM (Continued)

17875-89-8 BOARLOS (3,17-Signesy)|-6-601focamide, 6'-(3-(trifluoromethyl)pyrasolo[3',8':5,6); hiopyrasolo[3,6-b]pyridin-1(38)-y1|- (CA DESEX NAME)

44 ANDRON 4 OF 18 HOMPLES COPYRIGHT 2017 ACE ON SITE (CONTINUES)

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11 111/10100

12 stocked Comprised 117 Add on 100

13 stocked Comprised 117 Add on 100

14 stocked Comprised 117 Add on 100

15 stocked Compris

144 ANSWER T OF 18 HEAPLES COPYRIGHT 2007 ALS on SIN (Continued)

| March | Marc



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NS 118081-53-1 HCAPLES OF 12-Pyrarol-4-carbonaldehyde, 4.5-dihydro-3-((methylthio)methyl)-1-(4-nitrophesyl+5-mes— (CA INDEX NAME)

NO 118631-54-2 MCAPLES CS 18-Pyrarole-4-carbonaldebyde, 1-(4-fluocophenyl)-4,5-dibydro-3-(Omethylthio(methyl)-5-omo- (CA INDEX NAME)

RS 118631-55-3 NCAPLES CS 18-Pyrarole-4-carbonaldshyde, 4.5-dthydro-3-1(methylthio(methyl)-5-oso-1 (24.5-trichleogaepyl)- (CA DESEX NAME)

144 ANSWER # OF 18 HCAPLES COPYRIGHT 2807 ACS on SIN (Continued)

NS 11#129-41-8 NCAPLUS CS 3M-Pyratol-3-cos, 4-(aminomethylene)-2-(1,1*-bt mrowel, (CA TROES NAME)

NN 118071-58-2 KCAPLOS CS 38-Pyrasol-3-con, 2-[1,1*-bipbonyl]-4-yl-2,4-dibydro-4-(Gastoviamino)methylenel-5-propyl- (CA INDEX NAME)

NS 118048-41-2 NCAPLOS

CS 1849yracole-3-marracylic acts, s-[idimethylamino)methylams=3-(d)

21--marracyli-415-albydro-5-dmot, chlyl ester (CA ISECC NOME)

4 ANDRON F OF 18 BEAFLES CONTRICTED 2007 ACE OF STH. (CONCLESSED)

ES 11003-50-6 HEMPLES CB 18-Gyracole-4-carbonaldebyde, 1-(4-chlorophenyl)-4,5-dabydro-5-ccc- (CB 1986)

RS 118049-99-3 ROAFES CR IN-Pyracole-4-carrosaldebyde, 1-12.6-dichloro-4-(trifluoromethyl)phasyl)-4,9-dibnies-3-methyl-3-com- (CR 18082 MARK)

111027-77-3F 11827-78-4P 12028-42-8P
11071-54-9
No. 1ASR (Aproxiteral use): BMC (Mological activity or effector, exceptivene): BMC (Most (Mological activity or effector, exceptivene): BMC (Mological atte): DMC (Mological activity DMC (Mological activity): DMC (Mological activity): PMEP (Preparation): BMC (Mological activity): PMEP (Preparation): DMC (Mological activity): PMEP (PMC): DMC (Mological activity): DMC (Mological activity): PMEP (Mological activity): PMEP (Mological activity): DMC (Mological activity): DMC

USES (See)

(preparation of, as berbicide and agrochem. Congloide)

NN 118023-77-3 HCAPLES

CH IN-Pyrazola-3-carbonylic acid, 3-(a-chlorophenyl)-8,5-dihydro-1
(methylamino)methylman)-3-mon, methyl ester (CA INGET HMCE)

146 ASSAUR B OF 18 HCADLES CODYRIGHT 2007 ACS on STB (Continued trichlorophesyl) (CA 1905X MANE)

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- 44 ARREST S OF 18 SCHOOLS COPYRIGHT 2017 ACR ON ACT
- GREE '05 F745a, 7392a

 II Antaphiogustus, analgemis, and antipyretic substituted pyranole—6-acet
- IN Haaser, Deorg, Raccel, Richard; Elema, Burt MA Byk-Gulden Lomberg Chemische Fabruk G.m.b E
- DZ BALONC JA Germen
- PARA IMFGG-1946370 A 1969992 1970G-1972231 A 19799914 Of For Glagran(c), see printed (A Issue, A Tax title compde, [1, A, A, K = H, A, A], a lipt, epploably, and A Tax title compde, [1, A, A, K = H, A, A], a lipt, epploably, and reaction of Anywardness NNSSSS With disceberg) compas, ALOD/ADD/GENNSOSS (GIT or by Judgels) of esters, analose, mixtless ALOD/ADD/GENNSOSS (GIT or by Judgels) of esters, analose, mixtless
- IN 32702-85-60 NLW 500 (Symthetic preparation); DNSD (Preparation
- No 32703-89-6 ECMP185
 CS Pyracole-4-scetic acid, 1-(4-biphenyly1)-3-methy1-5-phenyl-, ethyl este

rs 1454-24-6 wcmsus
CM 2-Pyranoline-1-carboxylic acid, 1-[p-(2,5-dihydroxyphecethyl)phecyl]-6-[(
nethocyphecyl)aro]-5-one-, ethyl suter (7CL, 8CL) (CA INCEX NAME)

NS 165(-25-7 NCAPUS CS 2-Fyvareline-3-cartocylic acid, 6-[(2-chloro-p-tolyl)axo]-1-[p-[2,5dixpuroxypheaethyl)phenyl]-5-coc-, ethyl ester (NCI, SCI) (CA INDER HOME)

00 1654-26-8 MCMPACE CS 2-Pyraroline-3-carboxylic acid, 1-(2*,5*-dibydrosy-4-biphenylyl)-5-coo-4-(2:4-mylylarol; ethyl exter (201, 401) (CA INSEX NOME)

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- 08 67 118166 0887 67 22187a, 22110a
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- in [6-1], Son Laboratophysical [7] [Boddy 1], Society Carbony S-Spycerologic. Lab.

 in [6-1], Son Laboratophysical [7] [Boddy 1], Society Carbony Carb
- 2-MacOSBE, 2, 228-32°, 2,4-C1(Ma)CSBI, 2, 106-13°, 2,6-8:2CSBI, 2, 356-3°, 2,5-MacOSBI, 2, 136-40°, 4,2-C1(Ma)CSBI, 2, 143-4°) 1,4-MacOSBI, 2, 136-10°) 2,4-MacOSBI, 3, 160-3°, 304-2*3CCSBI, 2, 310-14°.
- TT 1454-21-19 1454-21-59 1454-24-69 1454-25-79 1454-24-09 1407-81-09 1497-82-19 1407-83-19 1407-84-39
- 1810-19-19 16313-19-89 16313-46-79 RL: IMF (Industrial manufacture); PMEP (Preparation)
- (preparation of)

 154-27-3 MCANUS

 154-27-3 MCANUS

 158-27-3 MCANUS

 158-2

1494-23-5 MCMPLES 3-Pyrazoline-3-carboxylic acid, 1-1y-(2,5-kihydroxyphenethyl)phenyli-4-

146 ASSMER 10 OF 18 HCAPLES COSTRIGHT 2007 ACS on STR (Continue

CN 2-Pyrasoline-2-carboxylic acid, 1-(p-(2,5-dibydroxyphenethyl)(phenyl)-5-oxo-6-(2,6-xylylazo)-, ethyl ester (7CI, FCI) (CA IMORE MANE)

CS 2-Pyrazoline-3-carboxylic acid, 1-1p-(2.5-dihydroxyphenethyliphenyl)-5-cso

NN 1647-81-2 MEMPLEN
CN 2-bytasoline-3-cattoxylic edid, 3-(p-(2,5-dibydroxyphenethyl)phenyl)-5-cso
4-(b-colviate)-, cthyl setor (NE, 4CI) (ON IMESS MARS)

144 ANDROR 10 OF 18 HEAVILES COPPRISHT 2007 ACG ON SITE (CONTINUED

CS 2-Pyraroline-J-cathorplic acid, 1-[p-(2,5-dihydroxyphenethyl)phenyl)-4hay84hyland-5-cam, sthyl sater (NI, BCI) (CB INDEX MARK)

NS 1697-85-4 MCRDSP5
CH 2-Pywardine-1-cattoxylic anid, 4-(2,6-diethylphenyl)aco)-1-(p-(2,6-diethylpheny

16117-38-0 mrawlom
2-Pymaroline-3-carboxylic acid, 1-(p-(3-(2,5-dihydroxyphenyl)propyl)pheny
(-5-coc-4-(2,3-cylylaro)-, ethyl enter (901) (CM INDEX NAME)

103.7-48-7 ALWARD
2 Physical Leaf Action 1. (p. (2.5-41hydroxyphenethyl) phenyl) -5-om
1 [8,0,5-48flore-o-tolyl) axo]-, ethyl estex (70f,
80f) (CA INSEN 9986)

BS 1657-84-5 REMAINS CB 3-Dynatolam-2-markovylo-amid, 1-[p-(1,6-d)bydrosyphonethyl]phocyl]-5-map 4-(1,6-%)[yhdol-, stdyl enter (TCT, ECT) (OA INDEX HAME)

ES 1697-87-6 ECAPLES
CE 2-Pyramiles-2-carboxylic acid, 4-[(4-chloro-a-tolyl)acof-1-[p-[7,6-

RE 1830-85-3 EXAMINE
CM 2-Pyrasoline-D-cathomytic acid, 1-(p-(3-(3,5-dikydroxyphacyl)propyl(phenyl
|-5-ox-6-(3,4-q5ylano)-, etbyl exter (NEL 8CE) (OX DREE SAME)

L46 ASSMER 11 OF 18 HOAGLES CONTRIGHT 2007 ACS on STR

UN 67174661 UNEF 67116971a,14074a TT Beactive are dyes 9A Imperial Chemical Industries in

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is 300 pert HDD was added over 20 min. so a supposition of 117 perts of 117 perts and 117 perts of 117 perts

were prepared (T and E given) G. 3.3.4-00380683 (B.) CL, B, B60, N. NE2 Q. n-C684. 4,2,4,8-ALBM(REN(CISM(REDM)2 + 2-Cambony amalog of IV descriptated and treated with 2,4-dichloro-6-(n-sulfounling)-s-transles also gave as orange dys. I 8125-3-1-00 1823-1-19 B 6325-18-19

NJ. DEF [Industrial manufacture]; DMLP (Preparation) (preparation of) 00 1425-17-0 NOWNING

CS 2-Pyraroline-3-carboxylic acid, 1,1'-(2,2'-disalfo-4,4'hiposytylesobia; in:(i=(i-disalfo-6,2,5-disalfo-mino)-s-triasiayl,mino)-2-unifopesyt) ano)-5-uso (GCI) (OX INDEX NAME)

CL THE CONT

DAGE 1-8

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PS 14315-18-1 READING
CS 2-Pyraroline-3-carbocylic acid, 1,1'-(2,2'-dissife-4,4'-bijksenylylame)bis-16-1(4-(1.4-chlore-6-methosy-s-trlamin-2-y)lamino)-2

144 ANSHER 11 OF 18 HEAVIS CONVAIGHT 2007 ACS on SIR (Conclined

50 (2) A (2) A (3) A

RE 14697-23-8 MCAPIER
CS 2-Pyrencian-3-carboxylic edd, 3,1'-(2,2'-dissife-4,4'-

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NS 14325-35-2 NOWLES 2-Pyravoline-3-darboxytid acid, 1,1'=(2,2'-dissife-4,4'-biphenyitylese)bis[6-[4-](4-mino-6-thioro-a-triaris-2-yi)amiso]-2-mifobhenyilese)bis[6-[4-](4-mino-6-thioro-a-triaris-2-yi)amiso]-2-mifobhenyilese)-3-ozo-(402) (OA DEEN NOWLE)

146 ANSMER 11 OF 18 HOAFLES CONTRIGHT 1607 ACS on STR ... (Continued)

2002 3-A

10 20162-08-5 MCAPLES
20 2,2'-01phrayidissifonic ecid, 4,4'-bis|4-||||4-chlore-4-(3,5-dissifoniliss)-sets|4ssis-2-y1|amino||sulfophrayilass|-3-mathyi-5-ome-2-dissifoniliss)-sets|-3-mathyi-5-ome-2-dissifoniliss|-3-mathyi-5-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-ome-2-dissifoniliss|-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-mathyi-3-m

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146 AMSHEM 12 OF 18 KEAPLES COPYRIGHT 2007 AGS on SIN (Continued)

NS 6410-21-0 MCMRUZE GS 1M-Pyrarole-J-carboxylic edid, 1-(2',5'-dihydroxyll,1'-bipboxyll-4-yl)-4,5-dihydrox-5-one, tshyl ester (CA DESE MANE)

(5-28-7 MCREUZE Symmoline-1-camboxylia acid, 1-(p-(2-(2,5-c))ycoxyphenyl)yropyl)phenyl1-one-, ethyl ester (701, 801) (CA IMBE NAME)

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NN 145 NR1-9 MERPIES
CS 18-Syranole-3-Carboxylic soid, 1-(5-(2-(2,5-bis(soorylony)phenyl)ethyl|phenyl|-1,5-dinyron-5-coi-, ethyl exter (CA INDEX NAME)

RS 66.7c-19-5 RCAPAUS CR 13r-Byvarole-1-our coupling acid, $2-(4-(2-(2,3-d)\log 4\cos y)\cos y) + \log (1-d)\log (3-d)\log (3-d)\log$

88 6610-20-8 MCMPUSS CS IN-Pyracide-3-carbonylic edid. 3-(4-(2-(2,5-dihydromyphemyl)ethyl[phemyl]-5-4-maximus-1-code (2A 2008X MANN)

6615-22-0 SCRFUSS IN-Pyrarole-3-carrosylic acid, 3-(2*,5*-dibydrosy(1,3*-biybesyl)-6-yl)-6,5-dibstro-5-core, etbyl seter (CA INDEX NAME)

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146 ANDROL 12 OF 18 HEAVILES CONTINUED 2007 ACR OR DER (CONTINUED)

88 6775-25-7 ECMPANS
CB 2-Pyracelams-Tomarboughle aead, 1-1p-13-(2,5-dakhydrosyphenyllpropyllphenyl 1-5-co-, ethyl exter (PCL, SCI) (CA IMBER NAME)

The state of the s

NN 1654-28-2 MCAPLES CN 2-Byraroller-J-carboxylic acid, 2-[2',8'-dihydrocy-s-bightenylyl)-5-cityl acts, disortate (ester) (ECI) (CA IMEEL NAME)

1454-21-3 MCMPARS 2-myrazollam-3-castnowylso acsd, t-(sp-(diethylsulfamoy))phecylaso(-1-)p-(sp-dishyrazyphasochyl)phasyl(-5-coo-, stayl error (Cf, SCI) (CK BEEK

NN 1454-22-4 NCMPLES CM 2-Pyvaroline-2-carbonylic acid, 1-(p-(2,5-dihydroxyykenethyl)phenyl)-5-cc 27/12/2007 Page 48

146 ANDRES 14 OF 18 HOWELD CONTRICT 2007 ACT ON STR. (CONTAC

PS 1634-23-5 NCRDUS CS 2-Pyraroine-J-cartocylic acid, 1-[p-(1,5-dibydroxyphenethyl]phenyl]

NS 1654-2(-6 NCAPLES CE 2-Pyranoline-1-carboxylic acid, 1-(p-(1,5-s))ptroxyphenethyl(phenyl)-4-(p-(1,5-s))ptroxyphenethy

NS 1654-25-7 RCRFULS CS 3-Pyrareling-locarbosylic acid, 4-[(2-cblore-p-telyl)asol-l-[p-[2,5-diagnosypheathyl)phasol-5-coo-, stipl aster (PcI, ECI) (CA IMEER NAME)

144 ANSWER 14 OF 18 MCAPLES CORYNDRAT 2007 ACS on STN (Continued)

ns 1697-92-1 memorus CS 2-bysasolins-2-carbocylic acid, 1-[p-(2,5-dibydroxyphenethyl)phenyl)-5-oso 4-(1,6-mylylasol-, ethyl ester (TCI, SCII (CA IMDE NMHE)

NN 1897-83-2 NCADUAS

2 Payaseline-J-darkocylic acid, 2-[p-(2,5-dihydroxyphenethyl)phenyl)-5-om
(-(p-colylato), ethyl exter (7cz, 8cz) (CA Embix Mode)

NN 146 (-84-) NCMPAZE CS 2-Pyracoline-3-carboxylic acid, 1-[p-(2,5-dibydroxyphenethyl)phenyl)-4-() naphtylian)-5-men, ethyl ester (70%, 80%) (Ch 1888% NSHE) AN ASSESS IN OF IN MODELS CONTINUED 2007 AND AS EAST (CONCLUDED)

NO 1654-76-8 NCMPLES CN 2-Pyrazoline-3-carbonylic acid, 1-(2',5'-dabydrony-4-biphwnylyl)-5-cmc-4

NN 1697-88-9 MCADARS CN 131-9yranole-1-carboyitc acis, 1-[a-[1-[2,5-bix(aoetyloxy)phexyl]etkyl]pn11-[3,5-bix(aoetyloxy)phexyl]etkyl[pn11-[3,5-bix(aoetyloxy)phexyl]etkyl]pn11-[3,5-bix(aoetyloxy)phexyl]etkyl[pn11-[3,5-bix(aoetyloxy)p

NS 1497-E1-0 NCAPLES
CS 2-Pyraceline-3-mathomylic acid, 1-[p-(2,3-dihydroxyphenethyl[phenyl[-3-exon-4-(2,4-wylylano)-, etsyl exter (PCI, ECI) (CA INDEX NAME)

144 ASSMER 14 OF 18 SCASLES CONTENENT 2007 ACS on STS (Continued)

to les?-85-4 scarus 28 2-Pyrarolino-3-carboxylic acid. 4-[(2,6-dicthylphonyl)aro]-1-[p-[2,5-dihylrosypharohyl)phonyll-5-one-, ethyl ester (NI, NI) (OA INSEN NAME

NN 1657-86-5 HCMTHS CHIPPERSONNIC acid, 1-(p-(2,5-dilystcosyskeentsyl)pkeoys]-5-coo-6-(2,5-sylyskoo)-, ochyl carec (Nrt, Sci) (OA INDEX NMEN)

ANSWER 14 OF 18 HOAFLES COPYRIGHT 2507 ACS ON STR. (CONTINUED

hera-markosylle assd. 4-((4-chisro-s-tolyl)ass)-1-(p-(2.5-hera-thyl)pheryl|-5-ces-, ethyl ester (7CL eCI) (CA INDEX NAME)

148 ASSER 15 OF 18 ECASIS CONTROL 1207 ACS on SIN (Contrace)
Al PEGE (Proposation)

154:1-21-2 RANDAS

154:1-21-2 RANDAS

154:1-21-3 RANDAS

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-3-carbonylic acid, 1-1p-(1,5-dihydroxyphenethyliphenyl)-4--5-0x0-, athyl ester (707, 807) (CA 1988X 8898)

NS 1834-24-6 NEWSZE CE 2-Pyraroline-3-carbonylso acno, 1-(p-(2,5-subpirocyphecethyl)phecyl)-4-((c-

144 AMERICA IS OF 18 HEADERS CONFIDENT 2007 ACE OR NIR 08 04177337 ... 1200-0 08 04177337 ... 1200-0 17 Ace of a considerar 17 Ace of a considerar 18 Cases, Nation 19 13 19 1 20 13 19 1 24 Magnetickie 25 Magnetickie 26 Magnetickie 27 Magnetickie 28 Magnetick

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ANSAGE 15 OF 18 ECASLES CONTRIGHT 1807 ACS OR STR (Continued) and household land decay, edge; eater (3CS, SCE) (CA INDEX MAKE

mm 1654-26-0 MEMBERS CN 2-Dynamilion-O-markowykin amid, 1-(2',5'-dibydrosy-4-bighenylyk)-5 (2.4-mivValso)-, edypl ester (7cz, SCS) (CN EMEMC MARK)

58 1497-81-0 MCMD145 GB 2-Pyracolise-3-outborying acad, 1-1p-(2,8-dabydroxyphemethyllphoxyll-5-sen-4-di-4-sylylato), othyl otter (PCI, SCI) (CA IMERE MOSE)

\$7-01-6 NEMBURS Pyraroline-1-carbonylic acid. 4-[(4-chloro-o-toly)]amo]-1-[p-[2,5-symbologybearthyl);pheny][-5-omo-, athyl aster (PCT, SCT) [CA INDEX HAME)

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144 ASSABL 71 OF 18 HOUSTIS COUNTERE TOP ACE on STM
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6 Annaes 16 of 19 MEASURE COFFERENT 200) ACR OR STR (CONTINUE)
315070-15-9 MEASURE
315079-20-3-certoxylus acud. 4,5-dibydro-1-(4-mitrophemyl)-5-cmo-, ethyl
exter (CA TREEK 1986)

896613-88-6 HUARLUS 2-Byuardinar-3-carboxylic acid, 5-coc-1-(p-sulfumoylyhenyl)-, ethyl ecter (PCI) (CA 1506X BWHE)

RE 857185-39-8 HCAPLES CS 2-Pyraroline-3-carboxylic acid, 1,1'-(4,4'-biphenylene)bir[5-oxo-, distaylene; (ACI) (A THOSE BANK)

|-D4-0 HCAPLES |BOLING-3-carboxylic acid, 1-[2-maphthyl]-5-cmc- (SCE) (CA INCE)

And ARREST TO ST I SCHAEL CONTROL HET ALS ST 129 (Control of the control of the c

33-31-6 HCAPLOS razeline-3-oaztosyiio asid, 3-(p-mitrophenyi)-i-(p-mitrophenyiazo)-5-, eligi este (6C1) (CA INEX NORM)

NN 858785-49-3 MEAPLEN CB 2-Byrasolne-3-carbonylic acid, 5-000-1-p-tolyl-4-p-tolylano- (4CI) (CA 19802 SMM)

of Answer 17 OF 16 HEAPLES COPPRESSE 2007 ACS ON SER (CONTLINES)

[S-54-2 NCAFLUS ratedine-3-carborylic actd, 2-(4"-bydrosy-4-biphenylyl)-4-(4"-bydrosy-bhesylylson-3-cos-, ethyl actor (4CT) (CA THISE NAME)

144 ASSET 18 OF 18 ICAGLES COPYRIGHT 2007 AGS on STS (Continues)
NS 861369-88-0 ECAGLES
CE 2,c-Byracoleticarboxylic acid, 1-[p-(p-aminophesyliphesyl)-6-methyl- (BCE)
(CA TROMS MANG)

lic acid, 1-(p-aminophenyl)-5-methyl- (202) (CA

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CASREACT now has more than 13.8 million reactions

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INFI data prior to 1986, and Biotransformations database combiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que sta 143 141 STR

RRT₁₇ 22 16 C 18 N N N 23 21 C 21 19 8 m C c (11)

VAR G1=9/10
NODE ATTRIBUTES:
CONNECT IS E3 RC AT 6
CONNECT IS E3 RC AT 11
CONNECT IS E1 RC AT 23
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

143 126 SEA FILE=CASREACT SSS FUL 141 (1128 REACTIONS)

-> d his

(FILE 'HOME' ENTERED AT 13:41:21 ON 27 DEC 2007)
FILE 'REGISTRY' ENTERED AT 13:41:30 ON 27 DEC 2007

```
ACT J905C1/A
L2
         134263 SEA FILE-REGISTRY SSS FUL L1
                STR L1
            5 L3 SAM SUB=L2
882 L3 FULL SUB-L2
                SAV TEM J905C2/A L5
     FILE 'HCAPLUS' ENTERED AT 13:45:32 ON 27 DEC 2007
            163 L5
                E SCHADT O/AU
                E SCHIEMANN K/AU
             42 E3-4
                E VAN AMSTERDAM C/AU
                E BARTOSZYK G/AU
            122 E4-8
                E SEYFRIED C/AU
112
          34803 MERCK/CS, PA
              2 L6 AND L7-11
              4 L6 AND L12
                SEL HIT RN 2
    FILE 'REGISTRY' ENTERED AT 13:48:33 ON 27 DEC 2007
    FILE 'HCAPLUS' ENTERED AT 13:52:45 ON 27 DEC 2007
            161 L6 NOT L13
            136 L17 AND PD<=20030308
                SEL HIT RN
    FILE 'REGISTRY' ENTERED AT 13:54:24 ON 27 DEC 2007
            385 E1-385
L20
           6378 L2 AND (NC4 OR NC2NC2)/ES
L21
             2 (PIPERAZINE OR PYRROLIDINE)/CN
L22
           5645 (16.136.1 OR 46.383.1)/RID AND L20
     FILE 'HCAPLUS' ENTERED AT 14:35:12 ON 27 DEC 2007
L23
           1045 L22
L24
            769 L23 AND PD<=20030308
              7 L24 AND L18
                SEL HIT RN
     FILE 'REGISTRY' ENTERED AT 14:37:50 ON 27 DEC 2007
L26
            116 E386-501
                DEL SEL Y
              3 L19 AND (C24H26CLN3O4 OR C26H24N2O2)
L27
L28
              2 L26 AND NC2NC2/ES AND 46.156.30/RID
L29
              1 C22H24BRN70 AND L28
              4 127,129
     FILE 'HCAPLUS' ENTERED AT 14:48:07 ON 27 DEC 2007
              4 L30
     FILE 'REGISTRY' ENTERED AT 14:49:55 ON 27 DEC 2007
L32
                STR L1
             50 L32 SAM SUB=L2
           8106 L32 FULL SUB-L2
SAV TEM J905C7/A L34
    FILE 'HCAPLUS' ENTERED AT 14:55:52 ON 27 DEC 2007
           4110 L34 AND PD<=20030308
21 L35 AND L18
136
```

1082 L35 AND L34 (L)PREP+NT/RL

10 / 551905